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IS 1013 (1972): Triple Superphosphate [FAD 7: Soil Quality and Gertilizers]

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Indian Standard

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2010

SPECIFICATION FOR TRIPLE SUPERPHOSPHATE

(First Revision)

Acids and Fertilizers Sectional Committee, CDC 24; Fertilizers and Allied Products Subcommittee, CDC 24: 2 [Ref: Doc: CDC 24 (5690)]

1. Scope — Prescribes the requirements for triple superphosphate used as a fertilizer.

2. Requirements

2.1 *Description* — The material shall be free from excessive lumps and shall not form hard cake on storage.

2.2 The material shall comply with the requirements given in Table 1.

TABLE 1 REQUIREMENTS FOR TRIPLE SUPERPHOSPHATE

Sl No.	Characteristic	Requirement
(1)	(2)	(3)
i)	Moisture, percent by mass, *Max*	12·0
ii)	Free phosphoric acid (as P_2O_5), percent by mass, *Max*	3·0
iii)	Water-soluble phosphates (as P_2O_5), percent by mass, *Min*	42·5*
iv)	Total phosphates (as P_2O_5), percent by mass, *Min*	46·0*

*A tolerance of —0·2 units shall be permissible on each of these requirements.

3. Packing and Marking

3.1 *Packing* — The material shall be packed in jute bags lined with polyethylene or in such other containers as agreed to between the purchaser and the supplier.

3.2 *Marking* — The packages shall be securely closed and marked with the name of the manufacturer; recognized trade-mark, if any; mass and name of the material; and the percentage of total and water-soluble phosphates (as P_2O_5) contents.

3.2.1 *ISI Certification Marking* — Details are available from the Indian Standards Institution, New Delhi 1.

4. Sampling — Representative test samples of the material shall be prepared as prescribed in IS : 6092 (Part I)-1971 'Methods of sampling and test for fertilizers: Part I Sampling'.

5. Tests — Tests shall be carried out as prescribed in IS : 6092 (Part III)-1971 'Methods of sampling and test for fertilizers: Part III Determination of phosphorus', and IS : 6092 (Part VI)-1971 'Methods of sampling and test for fertilizers: Part VI Determination of impurities'.

EXPLANATORY NOTE

In this revision the minimum water-soluble phosphates (as P_2O_5) content has been raised from 40·0 to 42·5 percent and another requirement relating to total P_2O_5 content has been added. Methods of sampling and test have been deleted from this standard, since a separate standard on that subject has been published.

Adopted 31 August 1972 © November 1972, ISI Price Rs 5·00 Gr 1

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MANAK BHAVAN, 9 BAHADUR SHAH ZAFAR MARG
NEW DELHI 110002

AMENDMENT NO. 1 MAY 2012
TO
IS 1013: 1972 SPECIFICATION FOR TRIPLE SUPERPHOSPHATE

(First Revision)

(*Page* 1, *clause* **3.2**, *second line*) — Substitute ‘quantity’ *for* ‘mass’.

(FAD 7)

Reprography Unit, BIS, New Delhi, India